L 31071-65 EWT(1)/EWP(m)/EPR/FCS(k)/EWA(1) Pd-1/Ps-4 WW

ACCESSION NR: AR5004848

S/0058/64/000/011/G002/G002

SOURCE: Ref. zh. Fizika, Abs. 11G6

35 B

AUTHOR: Sokovishin, Yu. A.

TITLE: Escape of laminar jet of a conducting charged gas into a space with an electric field

CITED SOURCE: Uch. zap. aspirantov i soiskateley. Leningr. politekhn. in-t. Energomashinostroyeniye. L., 1964, 9-13

TOPIC TAGS: laminar jet, magnetohydrodynamics, self similar flow, magnetohydrodynamics, potential flow, boundary layer

TRANSLATION: Self-similar solutions are considered for jet flow of a charged conducting gas in a space filled with a stationary gas, in the presence of an external electric field. The following is assumed: 1) a laminar jet of incompressible gas escapes from a narrow

Card

1/2

L 31071-65

ACCESSION NR: AR5004848

slot of infinite width into a space filled with the same gas; 2) there is no external magnetic field, and only the induced magnetic field is taken into account in the solution; 3) the kinematic viscosity coefficient v, the magnetic permeability μ , and the dielectric constant ϵ are constant; 4) all the variable quantities are functions of two variables x and y (along and transverse to the stream, respectively). The classes of self-similar solutions found by the author are a generalization of the self-similar solutions of the theory of motion of laminar jets, and are applicable only to a very narrow class of magnetohydrodynamic flows. An analysis of the obtained solutions leads to the conclusion that there is a certain finite thickness of the boundary layer, at which it is necessary to join the solutions obtained in the boundary-layer approximation with the solutions for potential flow. P. Barashchev.

SUB CODE: ME

ENCL: 00

Card

2/2

EWP(m)/EPR/EWG(v)/EPA(w)-2/ENT(1)/EEC(t)/EPA(sp)-2/T/EWA(m)-2/EWA(d)Pd-1/Pe-5/Pi-4/Po-4/Ps-4/Pz-6/Pab-10 IJP(c) AT S/2563/64/000/232/0009/0013 ACCESSION NR: AT5003382

Sokovishin, Yu. A. AUTHOR:

Study of the temperature and concentration distribution in a laminar cur

rent of conducting gas

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 232, 1964. shiny (Turbomachines), 9-13

TOPIC TAGS: laminar flow, conducting gas, gas flow, electromagnetic field, temperature distribution, concentration distribution

ABSTRACT: Numerous authors have studied automodel solutions of the flow of laminar imcompressible currents - with constant coefficients of kinetic viscosity, conductivity, magnetic permeability, and specific heat - through magnetic fields into various media (see, e.g., G. Jungclaus, Reviews of Modern Physics, 1960, 32, N 4, pp 823-827). While these earlier solutions are for various restricted values of the pertinent parameters, the present paper reports on the temperature and concentration distributions of the above-mentioned flows for wider ranges of basic parameter values. The solution obtained applies mainly to isothermal flows of conducting

Card 1/2

L 27773-65

ACCESSION NR: AT5003382

fluids because the diffusion coefficient is assumed to be independent of temperature. Any reactions between the components of the flow and the medium would make the solution process very difficult and the solutions would depend on the order of the reactions. Orig. art. has: 17 formulas.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina (Leningrad Polytechnic Institute)

SUEMITTED: 00

ENCL: 00

SUB CODE: ME, EM

NO REF SOV: 005

OTHER: 002

Card 2/2

I. 10807-66 EWT(d)/EWT(1)/EWP(m)/EWA(d)/T/FCS(k)/EWP(1)/EWA(1) LJP(c)
ACC NR: AT6001019 SOURCE CODE: UR/2563/65/000/247/0010/0015

AUTHOR: Sokovishin, Yu. A.

67

ORG: Leningrad Polytechnic Institute (Leningrad. Politekhnicheskiy institut)

+1

TITLE: Propagation of a laminar jet in the presence of a wake

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 247, 1965. Turbomashiny (Turbomachines), 10-15

TOPIC TAGS: laminar flow, jet, wake, incompressible flow, temperature distribution, heat transfer, boundary layer

ABSTRACT: The incompressible, two-dimensional laminar wake is analyzed, using a self-similar model. The governing equations are written as follows

16, 44

$$u\frac{\partial u}{\partial x}+v\frac{\partial u}{\partial y}=-\frac{1}{\varrho}\cdot\frac{\partial \rho}{\partial x}+v\frac{\partial^2 u}{\partial y^2};$$

$$\frac{\partial p}{\partial y} = 0;$$

$$\frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} = 0/,$$

and the similarity solution is introduced by means of the velocity distribution

Card 1/2

L 10807-66 ACC NR: AT6001019 assumption $u_{\infty} = cx^{-1/3}$. This leads to the ordinary differential equation $F'' + FF'' + F'^2 = 1$ which is then reduced into a Ricatti equation with the solution $F_1 = 2\sqrt{2}\nu i \frac{M_{\nu}H_{\nu-1}(iz) - N_{\nu}H_{\nu-1}(-iz)}{M_{\nu}H_{\nu}(iz) + N_{\nu}H_{\nu}(-iz)}, \quad (\nu \neq 0, 1, 2...);$ $F_1 = 2\sqrt{2}ni \frac{M_n H_{n-1}(iz) + N_n G_{n-1}(iz)}{M_n H_n(iz) + N_n G_n(iz)}, \quad (v = n = 0, 1, 2, ...);$ where $F = F_1 + \xi$. Numerical results are obtained for values of n = 1, 2, 4 and ν 0.5, 1, 2, 4. It is shown that the thickness of the boundary layer increases as increases. A similar analysis is carried out for the energy equation $u\frac{\partial \overline{T}}{\partial x} + v\frac{\partial \overline{T}}{\partial y} = a\frac{\partial^3 \overline{T}}{\partial y^3},$ with the similarity variable obtained on the basis of the assumption Numerical results are obtained for two values of the Prandtl number. 31 equations and 2 figures. SUB CODE: 20/ SUBM DATE: none/ ORIG REF: 007/ 001 OTH REF :

SOKOVISHIN, Yu.A., inzh.

Spreading of a conductive gas jet near a flat wall. Izv. vys. ucheb. zav.; energ. 8 no.8:83-86 Ag '65. (MIRA 18:9)

1. Leningradskiy politekhnicheskiy institut imeni M.I. Kalinina. Predstavlena kafedroy teoreticheskikh osnov teplotekhniki.

Plane jet of a conductive gas in a transverse magnetic field.

12v. vys. ucheb. zav.; energ. 9 no.1:72-76 Ja '66.

l. Leningradskiy politekhnicheskiy institut imeni M.I. Kalinina. Projetavlena kafedroy teoreticheskikh osnov teplotekhniki. Subsitted March 5, 1965.

L 38915-66 ENT(1)/ESP(m) LJP(c)

ACC NR: A P6016911

SOURCE CODE: UR/0143/66/000/001/0072/0076

AUTHOR: Sokovishin, Yu. A. (Engineer)

ORG: Leningrad Polytechnic Institute im. M. I. Kalinin (Leningradskiy

politekhnicheskiy institut)

已

TITLE: Plane jet of a conducting gas in a transverse magnetic field

SOURCE: IVUZ. Energetika, no. 1, 1966, 72-76

TOPIC TAGS: plane flow, jet flow, flow analysis, conducting gas, transverse magnetic field , GAS JET

ABSTRACT: The author investigates the escape of a jet of conducting gas into a space with a transverse magnetic field. It is assumed that the conductivity of the escaping gas is constant. The equations for such a flow are given along with appropriate boundary conditions. A formula is derived for finding the escape of a jet with an arbitrary value of the external magnetic field intensity. The results obtained can be easily generalized for the flow of a turbulent incompressible sults obtained can be easily generalized for the flow of a turbulent incompressible to by using the Prandtl formula for the apparent kinematic viscosity. However, jet by using the Prandtl formula for the apparent kinematic viscosity. However, in this case it is necessary to assume that turbulence does not affect the conductivity of the moving gas. Orig. art. has: 2 figures and 18 formulas.

SUB CODE: 20/ SUBM DATE: 05Mar65/ ORIG REF: 001/ OTH REF: 003

UDC: 621.032 -538.122

L 10029-67 EWT (1)/EWP(m) - WW - - -ACC NN AP6034583 SOURCE CODE: UR/0382/66/000/003/0076/0082 AUTHOR: Sokovishin, Yu. A. ORG: none TITLE: Heat transfer in a plane jet of a conductive fluid SOURCE: Magnitnaya gidrodinamika, no. 3, 1966, 76-82 TOPIC TAGS: heat transfer, conductive fluid, transverse magnetic field, boundary layer, MHD ABSTRACT: The heat transfer has been investigated in a plane jet of a conductive fluid expanding on a flat wall in a cross magnetic field. It is assumed that the magnetic field is applied to the fourth region where the jet height coincides with the thickness of the boundary layer. With a small magnetohydrodynamic interaction parameter, the solution for temperature distribution is obtained in the form of an infinite series. It is shown that even a small increase of the MHD interaction leads

to a considerable intensification of the heat transfer. Orig. art. has: 3 figures,

SUB CODE: 20/SUBM DATE: 15Apr66/ORIG REF: 001/OTH REF: 003/

Card 1/1 egx UDC: 536, 243;538, 4

33 formulas, and 1 table. [Based on author's abstract]

EWG(j)/EWT(m)/EPF(c)/EWP(j)/T/EWA(h)/EWA(c)/EWA(l) L 51071-65 UR/0366/65/001/004/0636/0640 Peb --- RM_ ACCESSION NR: AP5011187 Sokovishina, I. F.; Perekalin, V. V.; Lerner, O. M.; Andreyeva, L. M. AUTHORS: Synthesis and isomerization of nitro-alpha-oxides TITLE: SOURCE: Znurnal organicheskoy khimii, v. 1, no. 4, 1965, 636-640 TOPIC TAGS: organic synthesis, isomeric transition, oxide, nitro compound ABSTRACT: Because of the antibacterial activity of some nitro compounds and the fungicidal properties of some alpha oxides, the authors attempted to combine the two. Nitro-replaced alpha oxides were first obtained by an exchange reaction of iodine-replaced oxides with silver nitrite. The structure was determined by IR spectra: the 862 and 1260 cm-1 bands characteristic of alpha oxide rings and the 1362 and 1560 cm-1 bands of the nitro group were all detected. Chemical analysis also confirmed the composition of the compound. The oxide of 1-nitropropen-2 was converted, on heating with water, to 1-nitropropylene glycol-2,3, and this was then converted to a benzil derivative. When the nitro oxide was acted on by hydrogen chloride, 1-chloro-3-nitropropanol-2 was obtained, and this was hydrolyzed to 3chloropropanol-2 acid, from which an acyl derivative was obtained. It was found that the oxide of 1-nitropropen-2 when acted on by a base, by ultraviolet light or Card 1/2

L 51071-6	5					-	
ACCESSION	NR: AP501116	37					3
	intian on who	n heated under	emes extraor	dinary isome	rization t	o the mo	re
gamma rad	ation, or whe	alkenol-1-nitr	opropen-1-01	-3. Orig. a	rt. has: 4	formula	s.
	71						
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Gertsena	Leningrad Sta	ate Pedagogical	. Institute/				. 14.15
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SOKOVISHINA, I.F.; PEREKALIN, V.V.; LERNER, O.M.; ANDREYEVA, L.M.

Synthesis and isomerization of nitro-coxides. Zhur. org. khim. 1 no.4:636-640 Ap '65. (MIRA 18:11)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni Gertsena.

SCKCVNIKCV, S. Je.

Cotton Machinery

Problem of the type of tractor and mechanical equipment to be used in irrigated cotton cultivation. Khlopkovodstvo no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

SAVCHUK, P.I.; ASKOCHINSKIY, A.N., redaktor; BABKOV, I.V., redaktor; BAKULIN, Yu.A., redaktor; VARUNTSYAN, I.S., redaktor; KRYLOV, G.A., redaktor; OBOLENSKIY, K.P., redaktor; SOKOVHIKOV, S.Ye., redaktor; USTINOV, M.A., redaktor; BALLOD, A.I., tekhnicheskiy redaktor

[Conférence of cotton growers of the republics of Central Asia, Transcaucasia, and Kazakhstan, in Tashkent, November 17-20, 1954] Soveshchanie rabotnikov khlopkovodstva respublik Srednei Azii, Zakavkaz'ia i Kazakhskoi SSR v Tashkente 17-20 noiabria 1954 g. Moskva, Gos. izd-vo selkhoz. lit-ry. 1955. 340 p. (MLRA 9:10)

1. Soveshchaniye rabotnikov khlopkovodstva respublik Sredney Azii, Zakavkaz'ya i Kazakhskoy SSR, Tashkent, 1954.

(Cotton growing)

SOKOVNIN, M.

A. N. Molchanov

"Accounting on a commercial basis in construction, and bank control." A. N. Molchanov, L. I. Perel'man. Reviewed by M. Sokovnin. Fin.i kred. SSSR No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

MOLCHANOV, A.; PEREL'MAN, L.; SOKOVNIN, M., otvetstvennyy redaktor;
VARLAMOV, N., redaktor; DENISOVA; O., tekhnicheskiy redaktor.

[Short-time credit for contract construction organizations]

Kratkosrochnoe kreditovanie podriadnykh stroitel'nykh
organizatsii. Moskva, Gosfinizdat, 1954, 86 p. (MLRA 7:12)

(Construction industry) (Credit)

\$/020/60/135/003/026/039 BO:6/BC54

11 2140

Makarov, S. Z. and Sokovnin, Ye. I. AUTHORS:

TITLE:

Ozonization of KOH'nn a Pseudoliquid Layer

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. '35, No. 3.

pp 606 608

TEXT: The authors report on their experiments to clarify whether potassium ozonide (KO3. Refs. 1-7) forms in a wider temperature range than

was hitherto known (-10 to -15° C), and whether both anhydrous KOH and its hydrated compounds can be used for its production. For this purpose, they treated roasted and unroasted KOH in the range between -65° and +60°C with ozonized oxygen (at the rate of 200 l/h) in a continuous apparatus. The pseudoliquid layer method was applied. KOH was crushed to a particle size of 0.25 mm. By a 14% content of crystal water in unroasted KOH, the 0_3

assimilation is reduced to about 1/3. Stable equilibrium was obtained after a maximum of 50-60 min of ezonization. The curves in Fig.2 illustrate the dependence of the active oxygen content in the ozomization products of KOH

Card 1/3

8601,2

Ozonization of KOH in a Pseudoliquid Layer

s/020/60/135/003/026/039 B016/B054

on the temperature of the balanced state. They show maxima at $\pm 40^{\circ}$ C for roasted, and at $\pm 50^{\circ}$ C for unroasted KOH. A further increase in temperature leads to a rapid reduction of the oxygen content; a brisk decomposition of the ozonization products, which sinter to a solid mass in the lower part of the reaction vessel (oxygen content here 0.5 . 0.7%), begins at $\pm 47^{\circ}$, and $\pm 58^{\circ}$ C, respectively. Above the sintered mass, the orange-yellow color of KO₃ becomes brighter, and its oxygen content drops to 0.9-1.0%.

The content of KO₃ in the product from roasted KOH was 93%, in the product from unroasted KOH it was <91%. In the former case, KOH retained its yellow color after an extraction by means of liquid ammonia for 7.8 days, and contained up to 0.8% of active oxygen. In conclusion, the authors state contained up to 0.8% of active oxygen. In conclusion, the authors state that the pseudoliquid-layer method permits a considerable extension of the temperature range of KOH ozonization both in the roasted and in the unroasted form. There are 2 figures and 7 references: 5 Soviet, 1 US, and 1 British.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii (im.N.S.Kurnakova)
Akademii nauk SSSR (Institute of General and Inorganic
Chemistry (imeni N.S.Kurnakov) of the Atademy of Sciences USSR)

Card 2/3

Ozonization of KOH in a Pseudoliquid Layer

86042

S/020/60/135/003/026/039 B016/B054

PRESENTED:

June 16, 1960, by I. I. Chernyayev, Academician

SUBMITTED;

June 14. 1960

Card 3/3

L 16111-65 EWG(j)/EWT(m)/EPF(c)/EPR/EWP(t)/EWP(b) Pr-4/Ps-4/ ESD(t)/AEDC(b)/SSD/AFWL/RAEM(a)/IJP(c) JD

ACCESSION NR: AP4045837 S/0062/63/000/012/2220/2221

AUTHOR: Sokol, V. I.; Tokareva, S. A.; Sokovnin, Ye. I.

TITLE: Determination of density and refractive index of sodium and potassium ozonides
SOURCE: AN SSSR. Izv. Seriya khimicheskaya, no. 12, 1963, 2220-2221

TOPIC TAGS: sodium ozonide, potassium ozonide, density, refractive index, monoaxial crystal, pleochroism, double refraction, crystallographic property

ABSTRACT: No such data exist in the literature. Both density and certain crystallographic properties were investigated. The sodium ozonide contained about 83% $\rm NaO_3$, the other about 96% $\rm KO_3$. The polycrystals were immersed in acetone, hexane or a mixture of both, and crystallographic measurements taken at -70 to 100C for the Na, -20 to -50 for the K compound. The density was measured by hydrostatic weighing of the crystal. The NaO3 crystals were monoaxial and positive, showed pleochroism under polarized light, and had the refractive indices $\rm N_p$ = 1.405, Ng = 1.49. The KO3 polycrystals showed no macroscopic uniformity, $\rm Cord$ 1/2

L 16111-65

ACCESSION NR: AP4045837

3

were monoaxial, negative, with strong double refraction; their indices were $N_p = 1.391$, $N_g = 1.670$. The densities were found at about 1.56-1.60 g/cc for the Na and at 1.990 g/cc for the K ozonide. These ozonides have lesser density than the peroxides or superoxides of these same or other alkali or alkaliearth metals. "We wish to thank G. B. Bokiy for his help with this work."

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry, Acad. of Sciences, SSSR)

SUBMITTED: 20Jun63

ENCL: 00

SUB CODE: GC, IC, GP

NO REF SOV: 007

OTHER: 003

Card 2/2

S/020/61/137/003/021/030 B103/B208

11.2140

AUTHORS: Makarov, S. Z. and Sokovnin, Ye. I.

TITLE:

Solubility of potassium ozonide in liquid ammonia.

System NH3 - KO3

PERIODICAL:

Doklady Akademii nauk SSSR, v. 137, no. 3, 1961, 612-613

TEXT: The authors point out that no quantitative data are available on the polythermal solubility of potassium ozonide (KO₃) in liquid ammonia (NH₃). This prevents the preparation of KO₃ in high-purity form (as monocrystals). A degree of purity of KO₃ of more than 93.3% has so far not been mentioned. There are no experimental data available on the not been mentioned. There are no experimental data available on the actual structure of KO₃. For these reasons, the authors studied the phase diagram of the system NH₃ - KO₃ in the range of crystallization of KO₃ at -33° to -80°C on the basis of isothermal solubility in liquid NH₃. The investigation in the crystallization range of NH₃ was carried out by Card 1/5

Solubility of potassium ozonide ...

S/020/61/137/003/021/030 B103/B208

the known visual-polythermal method. Table 1 and Fig. 1 present the measured values of the KO₃ solubility at atmospheric pressure in the range of existence of liquid NH₃. The diagram constructed by the authors on the basis of these data (Fig. 1) belongs to the type of simplest eutectic diagrams with a composition of the eutectic of about 5.1 g KO₃/100 g NH₃ at -80°C (this point was determined graphically). KO₃ solubility in liquid NH₃ increases by a rise in temperature with K = 0.22 g KO₃ per 1°C, and reaches its maximum near the NH₃ boiling point. The solidification (melting) point of NH₃ varies in this system from -77.7 to -80°C, accordingly. On the basis of these data it is possible 1) to obtain high-purity KO₃ by polythermal crystallization (Fig. 1, range ED); 2) to concentrate a dilute KO₃ solution which is left after extraction of KO₃ from ozonized alkali by freezing out (range AE).

Card 2/5

Solubility of potassium ozonide ..

S/020/61/137/003/021/030 B103/B208

The authors used in their experiments high-purity NH, which was distilled three times and dried with metallic sodium. KO3 was purified from KOH·H2O by recrystallization. The authors emphasize the practical importance of their results. The experimental part will be the subject of a special paper. There are 1 figure, 1 table, and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to the Englishlanguage publication reads as follows: Ref. 2: T. P. Whaley, S. Kleinberg, J. Am. Chem. Soc., 73, 79, 82, 1951.

ASSOCIATION:

Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences USSR)

PRESENTED:

November 12, 1960, by I. I. Chernyayev, Academician

SUBMITTED:

November 9, 1960

Card 3/5

VOL'NOV, I.I.; SOXOVNIN, Ye.I.; MATVEYEV, V.V.

Synthesis of alkali metal ozonides by the interaction of superoxides with ozonized oxygen. Izv.AN SSSR.Otd.khim.nauk no.6: 1127 '62. (MIRA 15:8)

1. Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova

(Ozonides) (Oxygen) (Superoxides)

3/062/63/000/001/018/025 B101/B186

14 2140

AUTHOR: Sokovnin, Ye. I.

TITLE: Temperature limit for the existence of potassium ozonide

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye khimicheskikh

neuk, no. 1, 1963, 181 - 182

TEXT: Missing data for the limit of heat resistance of KO₃ were obtained by thermographic analysis. The total and differential heating curves and the curve for oxygen liberation were plotted between 20 and 500°C for a temperature increase of 5°C/min. An exothermic effect was observed at 60°C, and an endothermic one at 425°C. O₂ was liberated at both these temperatures. The effect at 60°C corresponds to the reaction KO₃ \rightarrow KO₂ + O + 5.5 kcal, which was confirmed by analyzing the residue of KO₃ heated to $100-110^{\circ}$ C. Thus the limit of heat resistance for KO₃ lies at $60\pm2^{\circ}$ C. The effect at 425° C corresponds to the reaction 2KO₂ \rightarrow K₂O₂ + O₂ - 17.2 kcal. Card 1/2

S/062/63/000/001/018/025 B101/B186

Temperature limit ...

Thus the limit of heat resistance for k_0^2 lies at $425 \pm 2^{\circ}C$. The effect of the reaction $k_2^0 \xrightarrow{} k_2^0 + \frac{1}{2} \cdot 0_2$ is indistinctly seen on the heating curve There are 2 figures. because of reaction between K20 and the glass.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurna-

kova Akademii nauk SSSR (Institute of Ceneral and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences USSR)

August 15, 1962 SUBMITTED:

Card 2/2

CIA-RDP86-00513R001652130012-0" APPROVED FOR RELEASE: 08/25/2000

SOKOL, V.I.; TOKAREVA, S.A.; SOKOVNIN, Ye.I.

Determination of the density and refractive indices of sodium and potassium ozonides. Izv. AN SSSR. Ser. khim. no.12:2220-2221 D '63. (MIRA 17:1)

l. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova AN SSSR.

CIA-RDP86-00513R001652130012-0 "APPROVED FOR RELEASE: 08/25/2000

SoKornina, a.m.

USSR/Miscellaneous - Industrial processes

Card 1/1

Pub. 103 - 9/24

Authors

: Erokhin, A. A., and Sokovnina, A. M.

Title.

Bar honing on an organic cementing medium

Periodical : Stan. i instr. 11, 21-23, Nov 1954

Abstract

The introduction into industry of methods for honing of alloyed hardened steel details, by means of bars having an organic cementing medium, is announced. The introduction of the new honing methods made it possible to reduce work-hours required for such operations, to improve the quality of goods manufactured and to reduce waste. The technical and mechanical characteristics of the new bar honing methods are described. Tables;

drawings.

Institution : ...

Submitted

SER VNENA, N. I.

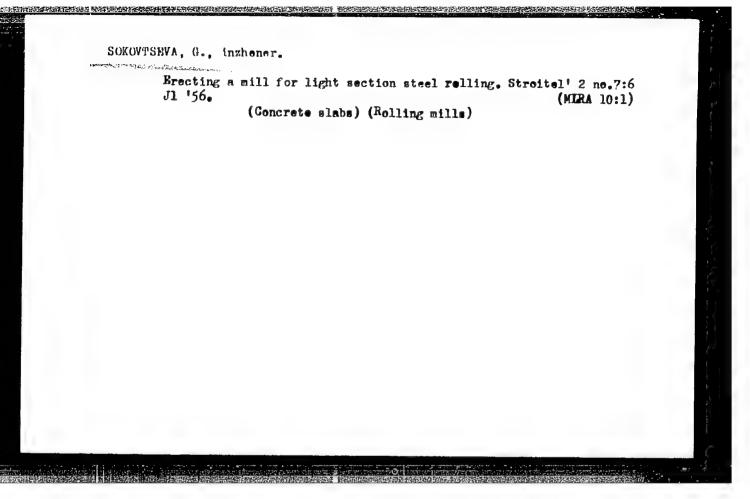
"Effects of Fungicides on the Gasecus Metabloism in Green Leaves," Trudy to lashchite Rastenii, Seriia 3, ro. 2, 1931, pp. 103-113. 423.92 L540

So: Cira-Si-90-53, 15 Dec. 1953

MARDASHEV, S.R.; SOKOVNINA, Ya.M.

Synthesis of hydroxamic acids from dicerboxylic amino acids and their amides in Saccharomyces cerevisiae. Mikrobiologiia 34 no.1:47-52 Ja-F 165. (MIRA 18:7)

1. Institut biologicheskoy i meditsinskoy knimil AMN SSSR.

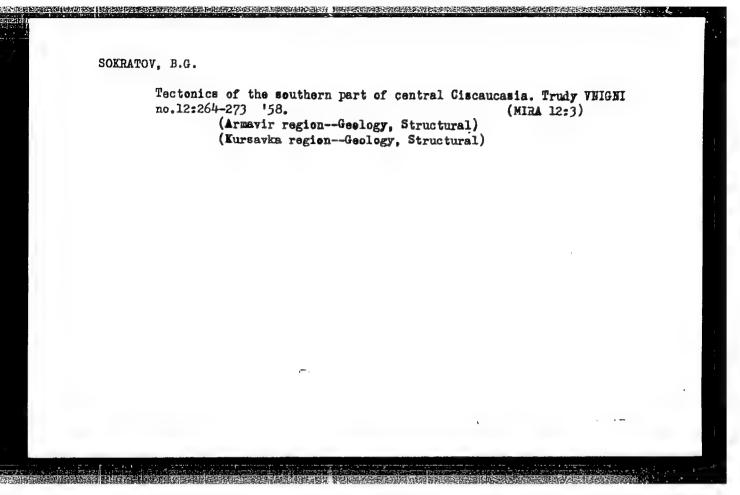


UR/0402/66/000/004/0431/0435 ACC NRI AP6028726 SOURCE CODE: AUTHOR: Sokovykh, L. I.; Gorbunova, A. S. ORG: Virology Institute im. D. I. Ivanovskiy, AMN SSSR, Moscow (Institut virusologii AMN SSSR) TITLE: Passive hemagglutination test. A special soluble influenza virus antigen which sensitizes red cells SOURCE: Voprosy virusologii, no. 4, 1966, 431-435 TOPIC TAGS: virus, virus disease, influenza, virus antigen, passive hemagglutination reaction, antigor ABSTRACT: The activity of four influenza virus (type A, strain PR8) antigens, V- and S-antigens, purified virus and destroyed virus, was determined by complement-fixation and passivehemagglutination tests. Only the destroyed virus was active in passive hemagglutination, indicating that the sensitizing ' antigen is released from influenza virus particles after they have been destroyed by ether. This soluble influenza virus antigen - called sensibilizin - can sensitize tannintreated erythrocytes to agglutination by immune influenza sera. S-antigen does not so sensitize tannin-treated erythrocytes, although it is adsorbed by them. Immune influenza 616.921.5-07:616.15-097.34 UDC: 1/2

sera treated with red cells sensitized by the identified antigen (sensibilizin) lose their ability to react further in hemagglutination—inhibition, passive—hemagglutination and complement—fixation tests. [WA-50; CBE No. 12]														
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Tectonic structure of eastern Stavropol Territory. Geol. nefti supplement to no.8:95-100 '58. (MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy institut.
(Stavropol Territory-Geology, Structural)



这种种的现在,我们就是这种种,我们就是我们的,我们也就是这个人,我们就是这个人,我们也不是这个人,我们也没有的人,我们也不是我们的人,我们也会会的人,我们也会会 第一个人,我们就是我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们就会会会会会会会会会会会会会会会会会会

20-119-6-44/56 Sokratov, B. G. AUTHOR: Depression of Central Ciscaucasia On the East-Kubant. TITLE: (O Vostochno-Kubanskoy vpadine Tsentral'nogo Predkavkaz'ya) Doklady Akademii nauk SSSR, 1958, Vol. 119, Nr 6, PERIODICAL: pp. 1209-1211 (USSR) Position and demarcation of this depression are described ABSTRACT: (Refs. 1 - 4, 7). The recent structure plan of the depression is very well determined by means of the seismic method. Its width fluctuates between 50 km in the west up to 15 - 20 km in the east. In the axial zone of the depression 3 flexures are outlined: Vozdvizhenskiy, Sovetskiy and Belomechetskiy (Ref. 6). Their depression does not exceed 150 - 200 m. The latter is complicated by a dome-shaped elevation of 200 - 300 m (Figure 1).

Card 1/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652130012-0"

The axis of the depression ascents towards the east. On the surface the depression is filled up with Middle Miocene and Upper Pliocene deposits (in the west maximum 1000 - 1200 m thick). East of Armavir Pliocene is lacking.

On the East-Kuban' Depression of Central Ciscaucasia 20-119-6-44/56

More ancient Neo- and Paleogene sediments are determined seismically and by means of deep borings of neighboring regions. The total thickness of the Tertiary mass decreases of from 3000 to 3200 m in the two first-mentioned flexures of from 2200 to 2500 m in the last one. Mesozoic sediments were determined with certainty in the western part of the depression, on the southern slope of the Sovetskiy flexure. According to seismic data the thickness of the Cretaceous- and (?) Jurassic deposits decreases toward the northeast and amounts to 1000 - 1300 m in the axial part of the Vozdvizhenskaya flexure. The peculiarities of structure of the sedimentary mass in the Eastdepression and their confrontation to the cross Kuban! sections in Stavropol' and in the Adygeyskiy projection make assume that the depression in the west formed during the Lower Cretaceous period, i. e. apparently toward the end of the Aptian- and during the Albian period. This was connected with the individualization of the Stavropol'skoye anticlinal elevation of the Eastern Ciscaucasia. The Vozdvizhenskiy flexure possibly could have developed still during Upper Cretaceous. The East-Kuban !!

Card 2/3

SOKRATOV, B. G., CAND GEOLMINES SCI, TECTONICS AND CAPACITY
PROSPECTS OF THE PETROLEUM AND GAS-BEARING POTENTIAL
OF THE SOUTHERN PART OF CENTRAL PROSPECTION CONCERNS OF PROSPECTION AND PETROL INST "VNIGNI"). (KL, 2-61, 202).

-53-

SOKRATOV, Boris Georgiyevich; DIKENSHTEYN, G.Kh., doktor geol.-miner. nauk, red.; DAYEV, G.A., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn. red.

[Tectonics and oil and gas potentials of the southern part of central Ciscaucasia] Tektonika i perspektivy neftegazonosnosti iuzhnoi chasti TSentral'nogo Predkavkaz'ia. Pod red. G.Kh.Dikenshteina. Leningrad, Gos. nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1960. 126 p. (MIRA 14:10)

(Caucasus, Northern —Petroleum geology) (Caucasus, Northern—Gas, Natural—Geology)

SOKRATOV, B.G.

Hidden faults as revealed by a study in the platform mantle of central Ciscaucasia. Dokl. AN SSSR 161 no.4:915-918 Ap *65. (MIRA 18:5)

1. Stavropol'skiy filial Groznenskogo nauchno-issledovatel'skogo neftyanogo instituta. Submitted August 13, 1964.

HETEOVSKAYA, T.A.; SOKPATOV, G.I.; KAGARMAHOV, A.Kn.; YAKUBOVICH, V.S.

Metallogeny of the Kalba range. Sov. geol. 7 nc.10:79-87 0 '64.
(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut
i Leningradskiy gornyy institut.

LUTKOVSKAYA, I.A.; SOKRATOV, G.I.; YAKUBOVICH, V.S.

Sedimentary and volcanie sedimentary formations, intrusive complexes, and metallogenetic somes in the southwestern part of the Zaysan geosyncline. Trudy VSEGEI 103:59-83 '64 (MIRA 17:8)

SOKRATOV, G. I.

"History of the So-Called Walter Law Concerning the Formation of Layer Structure of Sedimentary Rock," Dok. AN, 62, No. 4, 1948.

SOKRATOV, G. I.

Sokratov, G. I. - "On the so-called Val'ter's law on the formation of stratified sedimentary deposits and its early Russian history," Zapiski Leningr. gornogo in-ta, Vol XV-XVI, 1949, p. 71-79, - Bibliog: 18 items

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

SOKRAFOV, C.I., dotsent.

Some characteristics of the lithology and folded structure of the Taurian stratum of Crimea. Zap.Lea.gor.inst.30 no.2:3-23 155.

(Crimea--Geology) (Crimea--Petrology)

(WIRA 9:7)

UMAROV, S.; IVANOV, I.; SOBOLEV, A.; KRASNOV, V.; VASILEVSKIY, I.;
POTAPKIN, I.; IL'ICHEV, N.; PIZENGOL'TS, M.; SOKRATOV,K.;
CHURSIN, A.; KAUGER, V.; VOLOVODOV, A.; BAZARYA, H.

Issuing credit to collective farms should be equal to the standard of the new tasks. Den. i kred. 16 no.4:3-26 Ap '58.

(MIRA 11:5)

1. Upravlyayushchiy Uzbekskoy kontoroy Gosbanka (for Umarov). 2.Zamestitel' upravlyayushchego Restovskoy oblastnoy kontoroy Gosbanka (for Ivanov). 3. Upravlyayushchiy proizvodstvenno-ekspluatatsionnogo otdela Sakhalinskoy oblastnoy kontory Gosbanka (for Sobolev). 4. Machal'nik proizvodstvenno-ekspluatatsionnogo otdela Sakhalinskoy oblastnoy kontory Gosbanka (for Krasnoy). 5. Zamestitel upravlyayushchego Belorusskoy respublikanskoy kontoroy Gosbanka (for Vasilevskiy). 6. Nachal'nik otdela kreditovaniya sel'skogo khozyaystva i zagotovok Ukrainskoy respublikanskoy kontory Gosbanka (for Potapkin). 7. Upravlyayushchiy Mordovskoy respublikanskoy kontoroy (for Il'icher). 8. Starshiy prepodavatel' Voronezhskogo sel'skokho zyaystvennogo instituta (for Pizengol'ts). 9. Saratovskiy ekonomicheskiy institut (for Sokratov). 10. Upravlyayushchiy Sovetskim otdeleniym Gosbanka Krasnodarskogo kraya (for Chursin). 11. Upravlyayushchiy Gorodishchenskim otdeleniyem Gosbanka Penzenskoy oblasti (Kauger). 12. Upravlyayushchiy Zherdevskim otdeleniyem Gosbanka Tambovskoy oblasti (for Volovodov). 13. Nachal'nik Upravleniya seliskogo khozyaystva i zagotovok Gosbanka (for Bazarya) (Agricultural credit)

SOKRATOV, K. (Saratov)

Planning and establishing norms for the working capital of collective farms. Vop.ekon. no.7:137-142 Jl '60.

(MIRA 13:5)

(Saratov Province--Collective farms--Finance)

SOFMATOV, . T.

Sokratov, V. T.

"The interaction between a cutting chisel and rock when the latter is broken." Min Higher Education USSR. Azerbaydzhan Order of Labor Red Banner Industrial Inst imeni Azizbekov. Baku, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis' No. 15, 1956. Moscow.

SHUKHMAN, Z.; SHTAMM, V.; SHLEYMOVICH, S.; KALMYKOV, P.; RAL'TSEVICH, V.; PYATENKOV, V.; POTEMIN, I.; SOKRATOV, Yu.

There are all conditions for building strong and good elevators. Muk.-elev. prom. 29 no.8:18-19 Ag 163.

(MIRA 17:1)

1. Zamestitel' upravlyayushchego trestom TSentroelevatormel'stroy (for Shtamm). 2. Nachal'nik sektora organizatsii stroitel'nykh rabot Gosudarstvennogo instituta Promzernoproyekt (for Ral'tsevich). 3. Starshiy inzh. TSentral'nogo konstruktorskogo byuro tresta Spetselevatormel'montazh (for Potemin). 4. Zamestitel' nachal'nika proizvodstvennotekhnicheskogo otdeleniya tresta Petropavlovskelevatormel'stroy (for Sokratov).

SCKRATOV, Yu.

"Receiving and processing grain in a continuous operation" by S.A. Karabanov. Muk.-elev. prom: 27 no.4:22 Ap '61. (MIFA 14:7)

1. Severo-Kazakhstanskaya oblast; Upravleniye zagotovok. (Grain elevators) (Karabanov, S.A.)

GAVRISHEVA, I.F.; SOKRATOVA, E.G.

Behavior of different varieties of apple trees grafted on Malus Pallasiana in murseries of the Buryat A.S.S.R. Trudy BKNII no.4:208-217 '60. (MIRA 15:3)

(Buryat-Mongolia-Apple-Varieties)

TARASENKO, M.T., dotsent, kand. sel'skokhoz. nauk; KURNATSKIY, A.F., dotsent, kand. sel'skokhoz. nauk; SOKRATOVA, E.G., aspirantka

Use of hydroponics in vegetative propagation of orchard plants. Izv. TSKHA no.5:148-164 '64. (MIRA 18:5)

l. Kafedra płodovodstva Moskovskoy ordena Lenina seliskokhozyaystvennoy akademii imeni Timiryazeva.

L 40918-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6020736 SOURCE CODE: UR/0136/66/000/006/0039/0044

AUTHOR: Ful'man, N. I.; Sokratova, L. A.; Shkuratova, L. I.

ORG: none

TITLE: Manufacture of high purity metals by amalgam refining

SOURCE: Tsvetnyye metally, no. 6, 1966, 39-44

TOPIC TAGS: amalgam, metal purification, zinc, indium, lead, cadmium, bismuth

ABSTRACT: The report describes and illustrates an electrolytic bath installation employing the selective solvent capacities of mercury and the selective charge properties of amalgams to derive high purity metals even from solutions containing impurities. The amalgam is produced by using mercury-soluble metal to be refined as the anode and the mercury vas the cathode, or by dissolving powder, shavings, or solid metal in Hg while heating. The bath consists of an anode chamber, a cathode chamber and several intermediate compartments, all equipped with mixers and separated by partitions which terminate above the floor at the level of mercury occupying the entire bottom of the bath. The amalgam solution above the mercury can migrate from one chamber to another only through the mercury at the bottom. The process described was used to produce Zn, Zn powder, Pb, Cd, Bi, and In. The com-

Card 1/2

UDC: 669.2/.8:669.791.5

L 40918-66

ACC NR: AP6020736

position of initial electrolytes and optimal parameters of the process are listed. The process has been under development at the VNIITS vetmet for several years. The metals produced by this method are up to world standards. A serious obstacle in the further increase in the purity of metals produced is the low sensitivity of the existing metal analysis methods. The work on producing the zinc was performed by E. I. Urubkova and Ye. S. Penkina, and the work on producing indium by P. P. Tsyb and V. I. Mal'tsev. Orig. art. has: 2 tables and 3 figures.

SUB CODE: 11, 13/ SUBM DATE: 00/ ORIG REF: 009/ OTH REF: 003

Card 2/2 11b

MRMAN, M.I.; DANILOV, V.I.; SOKRUTINA, Z.A.; SIGALOVSKAYA, K.K.

by-product coke indust.)

Hygienic working conditions in benzene divisions, in benzene rectification shops, in resin distillation shops in byproduct-coking plants.

Gig. i san. 21 no.10:50-51 0 '56. (MLRA 9:11)

1. Iz Ukrainskogo tsentral'nogo instituta gigiyeny truda i professional'nykh zabolevaniy.

(AIR POLLUTION
in by-product coke indust, causing occup. dis.)
(INDUSTRIAL HYGIRDS
prev. of occup. dis. in caused by air pollution in

MOSKALEVICH, Vladimir Vladimirovich; VAYNSHTEYN, Boris Mikhaylovich; RASTOKIN, Viktor Georgieyvich; SOKULIN, Aleksey Igant'yevich KARAMYSHEV, I.A., inzhener, redaktor; BOBROVA, Ye.M., tekni-cheskiy redaktor

[Building apartment houses of large silicate blocks; practices of the Road Construction and Road Planning Trusts of the Volga highway] Stroitel'stvo zhilykh domov iz krupnykh silikatnykh blokov; opyt Dorstrois i Dorproekta Privolzhskoi dorogi. Moskva, Gos.transp. zhel-dor. isd-vo, 1957. 31 p.

(MLRA 10:9)
(Apartment houses)

HES, Wladyslav, mgr inz. SOKULSKi, Roman, mgr inz.

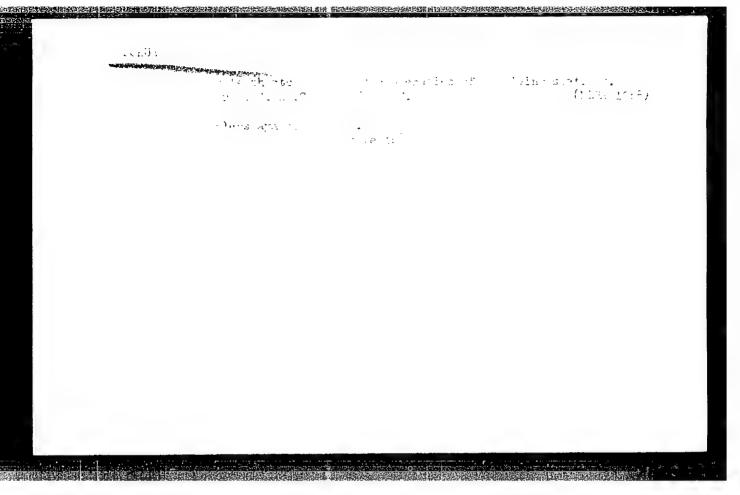
New trends in the design of band sonveyers. Wisdom gron 15 no.11:351-354 N '64.

OBFUSZ, Zygmunt, mgr inz.; SCKULSKI, Roman, mgr inz.

Successful experiment in overcoming a quicksand leap by using the freezing method. Wiadom gorn 15 no.3287-91 Mr '64

RACHNICWSKI, Tadeusz, mgr. inz.; SOKULSKI, Roman, mgr. inz.

Inserting steel liring into walls with hydraulic packing.
Wiadom gorn 15 no.10:305-308 0'64



SOKUR, I.T.

New data on the mammal fauna in the Transcarpathian region. Dop.AN URSR no.5:83-91 49. (MLRA 9:9)

1. Institut zoologii AN URSR. Predstaviv diyaniy chlen AN URSR D.K. Tret'yakov.

(Transcarpathia -- Mammals)

SOMUR, I. T.

Field Mice

Influence of young forest belts on the number gad behavior of field vole (Microtus socialis Pall.) in adjoining fields, Trudy Inst. zool. AM URSR 3, 1950.

9. Monthly List of Russian Accessions, Library of Congress, July 1952. UNCL.

SOKUR, I.T.; SVYRYDENKO, P.O., diyanyy chlen.

On the moogeographic characteristics of the Soviet Carpathian Mountains.

Dop. AN URSR no.3:198-201 '51. (MLRA 6:9)

1. Akademiya namk Ukrayins'koyi RSR (for Svyrydenko). 2. Instytut soolohiyi Akademiyi namk Ukrayins'koyi RSR (for Sokur).

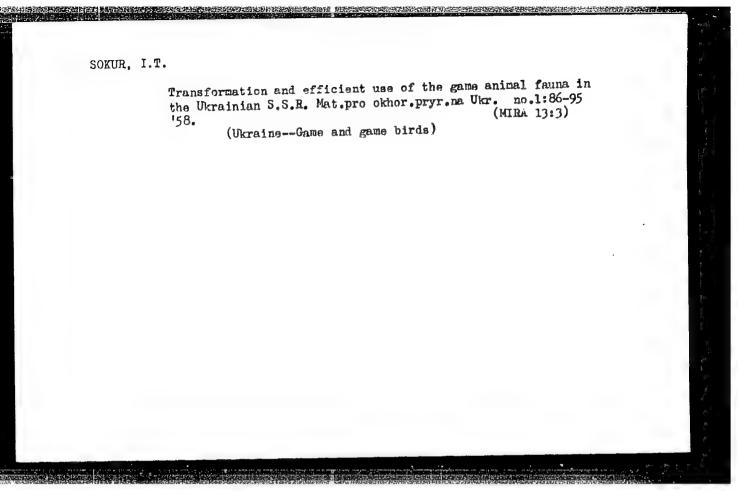
(Carpathian Mountains--Zoogeography) (Zoogeography--Carpathian Mountains)

- 1. SOKUR, I. T.
- 2. USSR (600)
- 4. Vinnitsa-Zoology-Congresses
- 7. Out-of-town session of the Learned Council of the Institute of Zoology of the Academy of Sciences of the Ukrainian S. S. R. in Vinnitsa. Visnyk AN UPSR 23 No. 1, 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl

RADCHUK, V.V., otvetstvennyy red.; VOINSTVENSKIV, M.A., red.; KISTYAKOVSKIY, A.B., red.; KCRHEYEV, A.P., red.; SOKUR, I.T., red.; PARKHOHENKO, V.V. red.; DOBROVOL'SKIY, A.A., red.; URIS, F.M., kimdozhestvennotekhn.red.

[imnting in the Ukraine] Okhota na Ukraine. Izd. 2-os. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1957. 325 p. (MIRA 11:2) (Ukraine-Hunting)



SOKUR, Ivan Tarasovich; GREBENYUK, M.Y. [Hrebeniuk, M.I.], red.; SHEVCHENKO, L.I., tekhn.red.

[Mammals in the fauna of the Ukraine and their economic importance] Ssavtsi fauny Ukrainy i ikh hospodars'ke znachennia. Kyiv, Derzh,uchbovo-pedagog.vyd-vo "Radians'ka shkola, 1960. 210 p. (MIRA 13:12) (Ukraine--Zoology, Economic)

DOBROCHAYEVA, D.M. [Dobrochaieva, D.M.], kand. biolog, nauk; LYALITSKAYA, S.D. [Lyalits'ka, S.D.; PARKHOMENKO, V.V.; SOKUR, I,T., kand. biolog. nauk; USPENSKIY, G.O. [Uspens'kiy, H.O.]; SVECHNIKOVA, N.I. [Sviechnikova, N.I.], red.; KLOKOVA, S.M., tekhn.red.; BERBENETS', P.P., tekhn. red.

[In Ukrainian preserves] Po zapovidnykh mistsiakh Ukrainy. Kyiv, Vyd-vo Tsk LKSMU "Molod", 1960. 207 p. (MIRA 14:7) (Ukraine—Natural history)

SOKUR, I. T. (USSR)

"Use of indirect methods in investigating the historical changes of mammalian fauna of Ukraine (in Russia)"

report presented at the Intl. Symposium on Methods of Thereological Investigation. Brno, Czech.,
gaarg-4Sept. 1960

SOKUR, L.T.

Research on the mammalian fauna of the Ukraine during the years of the Soviet regime. Zbir. prats' Zool. muz. AN URSR no. 29:21-38 '60. (MIRA 14:4)

(Ukraine-Zoological research)

到**了这种,这个人,这个人,他们也是不是不是一个人,他们也是不是一个人,他们也是不是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是一个人,他们也是**

SOKUR, I. T.

Doc Biol Sci - (diss) "Mammals of the fauna of the Ukraine. (History of changes, ecology, practical significance, and approaches for rational use)." Khar'kov, 1961. 36 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State Univ imeni A. M. Gor'kiy); 275 copies; free; list of author's works at end of text (20 entries); (KL, 6-61 sup, 205)

SOKUR, Ivan Tarasovich; PIDOPLICHKO, I.G. [Pidoplichko, I.H.], doktor blol. nauk, otv. red.; BRAGINSKIY, L.P. [Brahins'kyi, L.P.], red. izd-va; LISOVETS, O.M. [Lysovets', O.M.], tekhn.red.

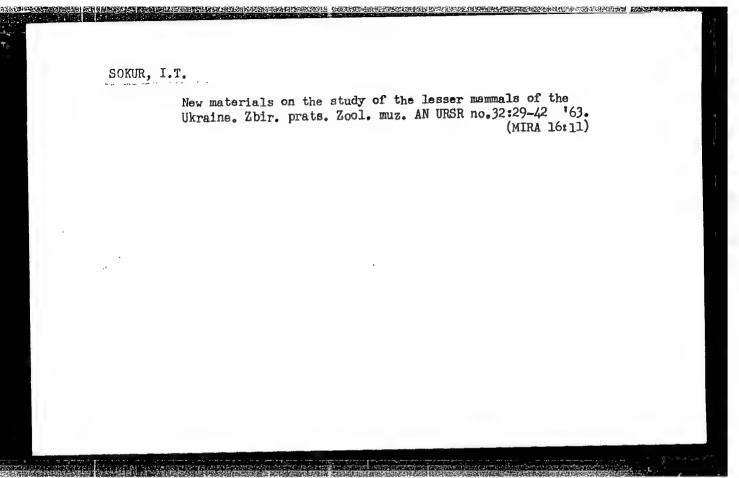
[Historical changes and utilization of mammals in the Ukraine] Istorychni zminy ta vykorystannia fauny ssavitsiv Ukrainy.

Kyiv, Vyd-vo Akad. nauk URSR, 1961. 83 p. (MIRA 15:4)

(Ukraine-Mammals)

SOKUR, Ivan Tarasovich; MARTYNENKO, L.I., red.; RAKHLINA, N.P., tekhn. red.

[Injurious rodents and their control] Shkidlyvi hryzuny i borot'ba z nymy. Kyiv, Vyd-vo AN URSR, 1963. 93 p. (MIRA 17:3)



SOKUR, P.I.; DEMCHUK, M., red.; NEDOVIZ, S., tekhn.red.

[Obtaining 360 centners of meat and 2150 centners of milk from 100 hectares of farmland] Vyrobymo na 100 hektariv unid' 360 tsentneriv miasa i 2150 tsentneriv moloka! L'viv, Knizhkovo-zhurnal'ne vyd-vo, 1959. 12 p. (MIRA 13:2)

Golova kolgospu im. Kirova, Oles'kogo rayonu, L'vivs'koi oblasti (for Sokur).
 (Olesko District-Stock and stockbreeding)

BRODOVOY, V.A. [Brodovyi, V.A.]; SOKUR, S.G. [Sokur, S.H.]

Electric current fluctuations in gallium arsemide. Ukr. fiz. zhur. 10 no. 11:1265-1267 N '65. (MIRA 18:12)

1. Kiyevskiy gosudarstvennyy universitet imeni Shevchenko. Submitted July 2, 1965.

TTTT/ENT(m)/ENP(t)/EWP(b)/EWA(m)-2 ACC NR: AP5028926 IJP(c) AUTHOR: Brodovyy, V. A. SOURCE CODE: UR/0185/65/010/011/1265/1267 Sokur, S. H. ORG: Kiev State University im. T. H. Shevchenko (Kyyvs'kyy derzhuniversytet) TITLE: Oscillations of electric current in gallium arsenide SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 11, 1965, 1265-1267 TOPIC TAGS: gallium arsenide, photoelectric effect, IR radiation, electron transition ABSTRACT: Low frequency current oscillations were observed in n-type Ga As doped with Cu. The specimens were prepared with low resistance GaAs on which Cu was deposited electrolytically) after which the specimens were heated in a vacuum at 650-750C for 16 hrs. The measurements were conducted at liquid oxygen temperature. The oscillations were observed on an SI-19A oscillograph from the variation of the voltage drop across the resistor in the specimen circuit. The instability occurred upon illumination of the specimens with in the specimen circuit. The instability occurred upon minimation of the specimens with infrared light. The visible portion of the spectrum was cut off by the germanium filter. The electrical instability is explained on the basis of the existence of injection contacts,

since the oscillations occurred in the conductive direction of the current at definite values of the voltage and the current through the specimen. The fact that infrared irradiation Card 1/2

role in the mechan

SUB CODE: 11, 20 / SUBM DATE: 02Jul65

SOKUR. V.D.

The inorganic composition of the secretion of the orbital salivary gland in dogs. Fiziol.zhur. [Ukr.] 2 no.6:28-33 N-D 56. (MIRA 10:2)

1. Kafedra fiziologii tvarin i lyudini Kiiva kogo derzh. universitetu (SALIVA)

SOKUR, V. D. Cand **EXX** Biol Sci -- (diss) "The Secretory Activity of the Orbital Salivary Gland of a Dog." Kiev, 1957. 14 pp 21 cm. (Min of Higher Education Ukrainian SSR, Kiev State Univ im T. G. Shevchenko, Chair of the Physiology of Animals and Men), 100 copies (KL, 26-57, 106)

- 35 -

SOKUR, V.D.

Changes in the speed of secretion and composition of saliva of canine orbital glands caused by different stimuli [with summary in English]. Fisiol.shur. [Ukr.] 3 no.2:69-75 Mr-Ap *57.

(MIRA 10:6)

 Kiive'kiy derzhavniy universitet im. T.G.Shavchenka, kafedra fiziologii lyudini i tvarin. (SALIVA)

SOKUR, V.T., fel'dsher (Kurgan-Tyube Andizhanskoy oblasti)

Therapy of sacro-lumbar radiculitis in a rural area. Fel'd. i
akush. no.9;136-37 S '54. (MERA 7:11)
(NERVES, SPINAL, diseases
radiculitis, sacrolumbar, ther.)
(RURAL COMDITIONS
radiculitis, ther.)

SOKUR, V.T., fel'deher (Andizhanskaya oblast', Kurgan-Tyubskiy rayon)

"Textbook in pharmacoloty." V.N. Kovalenko, Reviewed by V.T.
Sokur. Fel'd. 1 akush. no.6:63 Je '55. (MLRA 8:8)

(Pharmacology) (Kovalenko, V.N.)

SOKURATKU, A. Ye.

SOKUHERKO, A. Ye -- "Biological Principles of the Apideriology of Iambliosis." Cand Piol Sci, Institute of Zoology, Acad Sci Kazakh SSR, 18 Jan 5^L . (Kazakhstanskaya Pravda, 7 Jan 5^L)

SO: SUM 168, 22 July 1954)

SOKURENCO, A.Te.

Biological foundation of the epidemiology of giardiasis. Veterinaria (MIRA 10:6)
34 no.5:225-232 by '57.

(Frunse-Giardiasis) (Rodents as carriers of disease)

Using steel coliers in centrifugal easting of cast iron pipes.

Mashinostroitel no.3:17 Mr '65. (MIRA 18:4)

CHERMANEV, I.A., kand. tekhn. nauk; CHUYKO, P.I., inzh.; SOKURENKO, V.P., inzh.; ROKUTOV, V.P., inzh.; MAKEYEV, Yu.B., inzh.

Method of studying the properties of metalworking lubricants during the hot rolling of pipe on a long mandrel. Proizv. trub no.11:40-46 163. (MIRA 17:11)

ZEYDE, L. I., inshener; VASIL'YEV, L. I., kandidat tekhnicheskikh nauk; SOKURENKO, Ye. A., inshener

Deep foundations for bridge supports made of reinforced concrete envelope-piles. Transp. stroi. 5 no. 5:4-8 J1'55. (MLRA 8:12) (Bridges--Foundations and piers) (Piling (Civil engineering))

38227

S/032/62/028/006/024/025 B117/B101

246866

Sobolev, A. L, and Sokurenko, Yu. V.

TITLE:

Infrared polarization microscope

FERIODICAL: Zavodskaya laboratoriya, v. 28, no. 6, 1962, 745

TAXT: An infrared polarization microscope was built at the laboratoriya avtomatizatsii (Laboratory for Automation) and brought into service. It can be used for investigating the structure, purity, dislocation zones and internal stresses in silicon monocrystal plates. A cine-projector lamp serves as infrared light source. The illuminating apparatus is fitted with an infrared filter, and condensers for work in bright or dark field illumination and is fixed on the object stage of an MMM-6 (MIM-6) microscope. A detachable polaroid analyzer, adjustable through 90, is used for light polarization. The second polaroid is mounted in the microscope housing. The infrared rays enter the objective after passing through the object and are reflected by a mirror to the photocathode of the electron-optical transformer. The picture can be observed by the naked

Card 1/2

Infrared polarization microscope

S/032/62/028/006/024/025 B117/B101

eye through a tubus and be recorded on photographic plates by means of an accessory photographic device. Long period tests of this microscope showed that its resolving power at 50 magnification is sufficient for observing and photographing 3-4 mm thickness of silicon monocrystal plates under ordinary as well as polarized infrared light. Electron-optical multistage transformers of higher sensitivity must be used for investigating thicker plates. There is 1 figure.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut redkometallicheskoy promyshlennosti (State Scientific Research Institute of the Rare Metals Industry)

Card 2/2

ACCESSION NR: AP4018388

\$/0120/64/000/001/0183/0186

AUTHOR: Sobolev, A. L.; Sokurenko, Yu. V.

TITLE: Automatic counting of dislocations

SOURCE: Pribory* i tekhnika eksperimenta, no. 1, 1964, 183-186

TOPIC TAGS: dislocation, crystal imperfection, crystalline structure, germanium, silicon, dislocation density, particle counter, dislocation counter, automatic dislocation counter

ABSTRACT: A statistical analysis of dislocations in Ge and Si sections has revealed that an automatic count has to be based on a differential (dislocation-background contrast) principle. An automatic dislocation counter consists of a tw microscope and a counter proper. A vidicon-tube 300-line 50-frames/sec PTU-OMl industrial tw outfit is used in the apparatus. The tw camera output, via a forming unit, is applied to counter dekades. A monitoring screen with

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brightness and contrast controls is provided. The counting error is under 5%. A block diagram of the electronic circuit is described in some detail. "The authors wish to thank O. N. Malkov, N. V. Kirilin, V. A. Pronin, and A. I. Surakov for alignment of the outfit, and also A. V. Ovodova and L. V. Nabatova who took part in the statistical analysis of single-crystal specimens." Orig. art. has: 3 figures.

ASSOCIATION: Gosudarstvenny*y nauchno-issledovatel¹skiy i proyektny*y institut redkometallicheskoy promy*shlennosti (State Scientific-Research and Design Institute of the Rare-Metal Industry)

SUBMITTED: 02Apr63

DATE ACQ: 18Mar64

ENCL: 00

SUB CODE: PH

NO REF SOV: 002

OTHER: 006

Card 2/2

Material for identifying the fish of some Pamir waters. Izv.
Otd.est.nauk AN Tadzh.SSR no.3:77-85 '58.
(MIRA 13:4)

1. Institut zoologii i parazitologii AN Tadzhikskoy SSR.
(Pamirs--Fishes)

SOKUROVA, YE. N.

Sokurova, Ye. N.

"The effect of various types of ionizing irradiations on the nitrogenfixing bacteria and microflora of the soil." Inst of Microbiology, Acad Sci USSR. Moscow, 1956 (Dissertation for the degree of Candidate in Biological Science)

Knishnaya letopis' No. 25, 1956. Moscow

F-1

SOKUROVA, YE.N.

USSR/Microbiology. General Microbiology.

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28909.

Author :- Sokurova, E.N.

: Some Mechanisms of the Effect of Ionizing Radiations Inst Title

on Microorganisms.

Orig Pub: O nekotorykh zakonomernostyakh deystviya ioniziruyushchikh

izlucheniy na mikroorganizmy.

Izv. AN SSSR, ser. biol., 1956, No 6, 35-53.

Abstract: A study was conducted on the effect of different irradi-

ants - a mixture of uranium 235 chips (\$\beta\$ irradiants), radium, polonium 210 -- introduced within the nutrient media, together with & -irradiation from outside (Co60) on tubercle becteria and azotobacter. The sensitivity of bacteria to irradiations was found to be related

: 1/3 Card

USSR/Microbiology. General Microbiology.

Abs Jour: Ref. Zhur.-Biol., No 7, 1958, 28909.

to cultivation conditions; it is higher when bacteria are cultivated on agar media than on liquid media. Cells of nitrogen fixating bacteria endure high irradiating concentrations -- acotobacter, for instance, up to 80 mcurie units per 1. At small dose irradiations, stimulation of bacteria development, intensification of energy processes, and combining with atmospheric nitrogen were observed. & -rays stimulate tubercle bacteria and azotobacter in doses & 1000 r (in intensive irradiation 1 r/min.). When & -irradiants are introduced into nutrient media these doses & 1-2 mcurie per 1, and in liquid media & 5-10 mcurie per 1. In connection with differing sensitivities to irradiation of processes of atmospheric nitrogen combinations and the structure of cellular

Card : 2/3

10

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652130012-0"

F-1

Country Category : Microbiology, Chysiology and Micobesistry. F Abs. Jour : hef Thur-Mal., To 23, 1958, No 103577 Author : Solmrova, Ve. N.: Meysel; N. N. Institut. Title I Combined Effect of Ultra Violet and X-Rays on Dac. anthraccides Spores Orig Pub. : Biofizika, 1957, 2, No 4, 483-485 Abstract : The combined effect of ultra violet (wave length = 2557 A) and of X-Pays on the survival rate of B. anthracoides spores in water proved to be much greater than the effect from each type of radiation individually and than the sur of the separate radiation effects. Here, it makes no difference which of the types of radiation used, ultra violet or X-Ray, is used on the spores Ind. Mursbiology AS USSR Card: 1/:

TIMOFEYEV-RESOVSKIY, N.V., PORYADKOVA, N.A., SOKUROVA, Ye.H. TIMOFEYEVA-RESOVSKAYA, Yo.A.

Works on emperimental biogeocoenology. Pt. 1: Effect of madiation on the biomass and structure of terrestrial, soil and frech-water biocoenoses. Trudy Inst.biol.UFAN SSSR no.9:202-251-57 (MIRA 11:9)

(PLANTS, EFFECT OF RADIATION ON)

USSR / Microbiology. General Microbiology. Effect of External Agents. Disinfection.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5425.

Author : Sokurova, Ye. N. Inst

: Not given. Inst. mirrobiology AS USSA:
: Effect of B-Radiators on Development of Nitro-Title

gen-Fixing Bacteria.

Grig Pub: Mikrobiologiya, 1957, 26, No 4, 444-449.

Abstract: Radiators (unseparated mixtures of uranium-235 fission fragments) were introduced into an agar or liquid nutritive medium in a concentration of 0.0018-100 millicurie/ 1 liter; after various periods of time ranging from 1 hour to 20 days, the number of colonies, the number and size of the cells, and the weight of the biomass (biological mass) of the nitrogen-fixing bacteria

Card 1/3

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652130012-0" General Microbiology. General Microbiology.

USSR / Microbiology. Disinfection. External Agents.

Abs Jour: Ref Zhur-Biol., No 2, 1959, 5425.

Weak concen-

Abstract: of peas and beans were determined. trations resulted in an increase in biomass (from 200-500% in single experiments; strong concentrations led to its decrease. were less sensitive to irradiation in a liquid medium: the maximum stimulating concentration was about 5 millicuries, while in seedings on agar medium the concentration required was about 1-2 millicuries. Experiments on prolonged cultivation in a radioactive medium indicate the temporary character of the stimulating effect of radiations. Stimulation of development is related to an acceleration of cell division, and